

5040

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/520,679
Source: PCT/10
Date Processed by STIC: 1/18/05

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PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/520,679

DATE: 01/18/2005
TIME: 15:00:55

Input Set : A:\Sequence Listing.txt
Output Set: N:\CRF4\01182005\J520679.raw

3 <110> APPLICANT: Pohlner, Johannes
 4 Von Der Kammer, Heinz
 6 <120> TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC USE OF A RAB FAMILY
 7 GTP-BINDING PROTEIN FOR NEURODEGENERATIVE DISEASES
 9 <130> FILE REFERENCE: 2335.0030001
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/520,679
 C--> 11 <141> CURRENT FILING DATE: 2005-01-11
 11 <150> PRIOR APPLICATION NUMBER: PCT/EP2003/007361
 12 <151> PRIOR FILING DATE: 2003-07-09
 14 <150> PRIOR APPLICATION NUMBER: EP 02015429.0
 15 <151> PRIOR FILING DATE: 2002-07-11
 17 <150> PRIOR APPLICATION NUMBER: 60/394,870
 18 <151> PRIOR FILING DATE: 2002-07-11
 20 <160> NUMBER OF SEQ ID NOS: 15
 22 <170> SOFTWARE: PatentIn Ver. 2.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 194
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Homo sapiens
 29 <400> SEQUENCE: 1
 30 Met Ala Ile Arg Glu Leu Lys Val Cys Leu Leu Gly Asp Thr Gly Val
 31 1 5 10 15
 33 Gly Lys Ser Ser Ile Val Cys Arg Phe Val Gln Asp His Phe Asp His
 34 20 25 30
 36 Asn Ile Ser Pro Thr Ile Gly Ala Ser Phe Met Thr Lys Thr Val Pro
 37 35 40 45
 39 Cys Gly Asn Glu Leu His Lys Phe Leu Ile Trp Asp Thr Ala Gly Gln
 40 50 55 60
 42 Glu Arg Phe His Ser Leu Ala Pro Met Tyr Tyr Arg Gly Ser Ala Ala
 43 65 70 75 80
 45 Ala Val Ile Val Tyr Asp Ile Thr Lys Gln Asp Ser Phe Tyr Thr Leu
 46 85 90 95
 48 Lys Lys Trp Val Lys Glu Leu Lys Glu His Gly Pro Glu Asn Ile Val
 49 100 105 110
 51 Met Ala Ile Ala Gly Asn Lys Cys Asp Leu Ser Asp Ile Arg Glu Val
 52 115 120 125
 54 Pro Leu Lys Asp Ala Lys Glu Tyr Ala Glu Ser Ile Gly Ala Ile Val
 55 130 135 140
 57 Val Glu Thr Ser Ala Lys Asn Ala Ile Asn Ile Glu Glu Leu Phe Gln
 58 145 150 155 160
 60 Gly Ile Ser Arg Gln Ile Pro Pro Leu Asp Pro His Glu Asn Gly Asn
 61 165 170 175
 63 Asn Gly Thr Ile Lys Val Glu Lys Pro Thr Met Gln Ala Ser Arg Arg

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64 180 185 190

66 Cys Cys

70 <210> SEQ ID NO: 2

71 <211> LENGTH: 585

72 <212> TYPE: DNA

73 <213> ORGANISM: Artificial Sequence

75 <220> FEATURE:

76 <223> OTHER INFORMATION: Description of Artificial Sequence: complete cDNA of RAB 31 gene

79 <400> SEQUENCE: 2

80 atggcgatac gggagctcaa agtgtgcctt ctgggggaca ctggggttgg gaaatcaagc 60

81 atcgtgtgtc gatttgccaa ggatcaactt gaccacaaca tcagccctac tattggggca 120

82 tcttttatga cccaaaactgt gccttgcgaa aatgaacttc acaagttcct catctgggac 180

83 actgctggtc aggaacggtt tcattcattt gctccatgt actatcgagg ctcagctgca 240

84 gctgttatcg tgtatgatataccaaaggcag gattcattttt ataccttggaa gaaatgggtc 300

85 aaggagctga aagaacatgg tccagaaaac attgtaatgg ccattcgctgg aaacaagtgc 360

86 gacctctcag atattaggga ggttcccctg aaggatgcta aggaatacgc tgaatccata 420

87 ggtgccatcg tggttgcgac aagtgcaaaaa aatgcttata atatcgaaga gctcttcaa 480

88 ggaatcagcc gccagatccc acccttggac ccccatggaa atggaaacaa tggaacaatc 540

89 aaagttgaga agccaaccat gcaagccagc cgccgggtc gttga 585

92 <210> SEQ ID NO: 3

93 <211> LENGTH: 212

94 <212> TYPE: DNA

95 <213> ORGANISM: Artificial Sequence

97 <220> FEATURE:

98 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA fragment of RAB31 gene

101 <400> SEQUENCE: 3

102 accgtggacc acggcccttg ggtcaacagc accggcggtc ggcttgcattt gttggcttct 60

103 caactttgtat tgttccattt tttccactttt catgggggttc caagggtggg atctggcgcc 120

104 tgattcccttg aaagagctct tcgatattaa tagcattttt tgcacttgc tcaaccacga 180

105 tggcacctat ggattcagcg tattccttag ca 212

108 <210> SEQ ID NO: 4

109 <211> LENGTH: 20

110 <212> TYPE: DNA

111 <213> ORGANISM: Artificial Sequence

113 <220> FEATURE:

114 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for RAB31 gene

115 <400> SEQUENCE: 4

118 actgctgaag gaccctacgc 20

121 <210> SEQ ID NO: 5

122 <211> LENGTH: 20

123 <212> TYPE: DNA

124 <213> ORGANISM: Artificial Sequence

126 <220> FEATURE:

127 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for RAB31 gene

128 <400> SEQUENCE: 5

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131 gatcaaaggc cagtgtgctc          20
134 <210> SEQ ID NO: 6
135 <211> LENGTH: 20
136 <212> TYPE: DNA
137 <213> ORGANISM: Artificial Sequence
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
141      cyclophilin B gene
143 <400> SEQUENCE: 6
144 actgaagcac tacgggcctg          20
147 <210> SEQ ID NO: 7
148 <211> LENGTH: 19
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
154      cyclophilin B gene
156 <400> SEQUENCE: 7
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161 <211> LENGTH: 20
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
167      ribosomal protein S9 gene
169 <400> SEQUENCE: 8
170 ggtcaaattt accctggcca          20
173 <210> SEQ ID NO: 9
174 <211> LENGTH: 22
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
180      ribosomal protein S9 gene
182 <400> SEQUENCE: 9
183 tctcatcaag cgtcacgttc          22
186 <210> SEQ ID NO: 10
187 <211> LENGTH: 19
188 <212> TYPE: DNA
189 <213> ORGANISM: Artificial Sequence
191 <220> FEATURE:
192 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
193      beta-actin gene
195 <400> SEQUENCE: 10
196 tggaacggtg aagggtaca          19
199 <210> SEQ ID NO: 11
200 <211> LENGTH: 19
201 <212> TYPE: DNA

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202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for
206 beta-actin gene
208 <400> SEQUENCE: 11
209 ggcaagggac ttcctgtaa 19
212 <210> SEQ ID NO: 12
213 <211> LENGTH: 20
214 <212> TYPE: DNA
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for the
219 GAPDH gene
221 <400> SEQUENCE: 12 20
222 cgtcatgggt gtgaaccatg
225 <210> SEQ ID NO: 13
226 <211> LENGTH: 21
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for the
232 GAPDH gene
234 <400> SEQUENCE: 13
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238 <210> SEQ ID NO: 14
239 <211> LENGTH: 21
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for the
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247 <400> SEQUENCE: 14 21
248 gtcgctggc agttcgtat t
251 <210> SEQ ID NO: 15
252 <211> LENGTH: 23
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer for the
258 transferrin receptor gene
260 <400> SEQUENCE: 15
261 agcagttggc tggttacct ctc 23

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/520,679

DATE: 01/18/2005

TIME: 15:00:56

Input Set : A:\Sequence Listing.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date